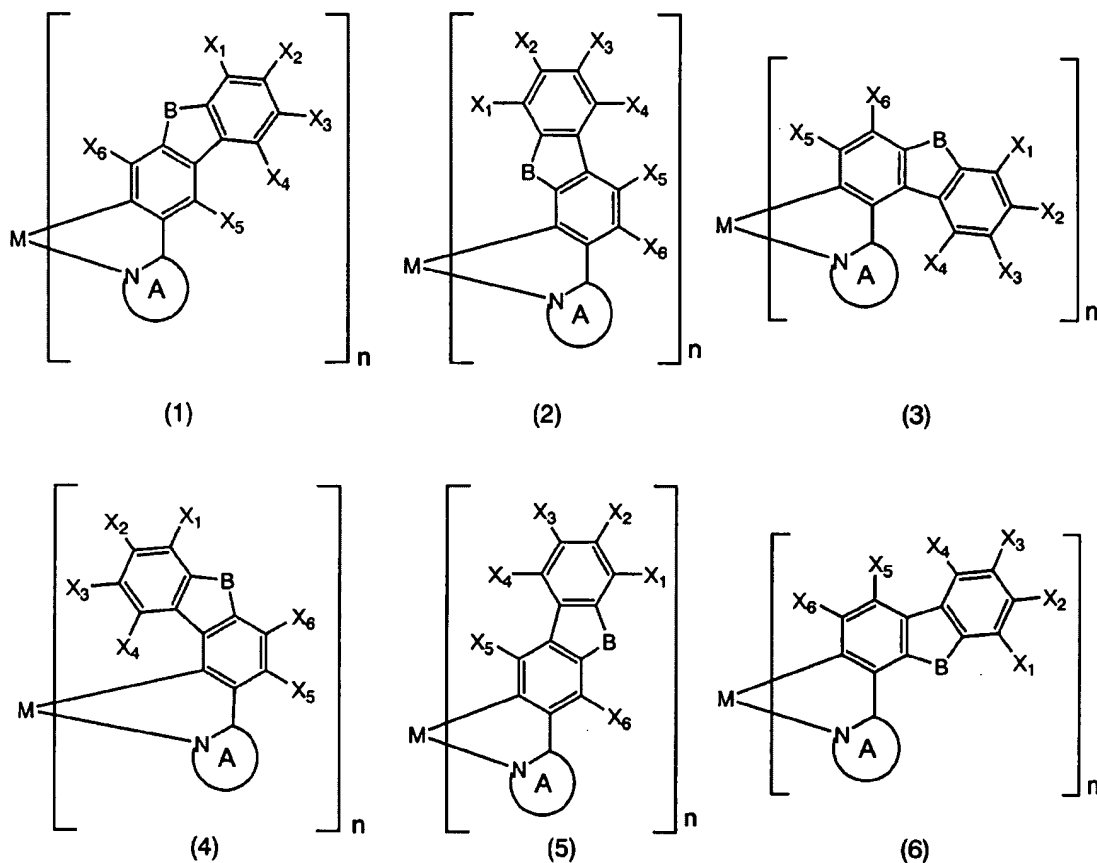


# AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A metal coordination compound represented by any one of Formulae (1) to (6),

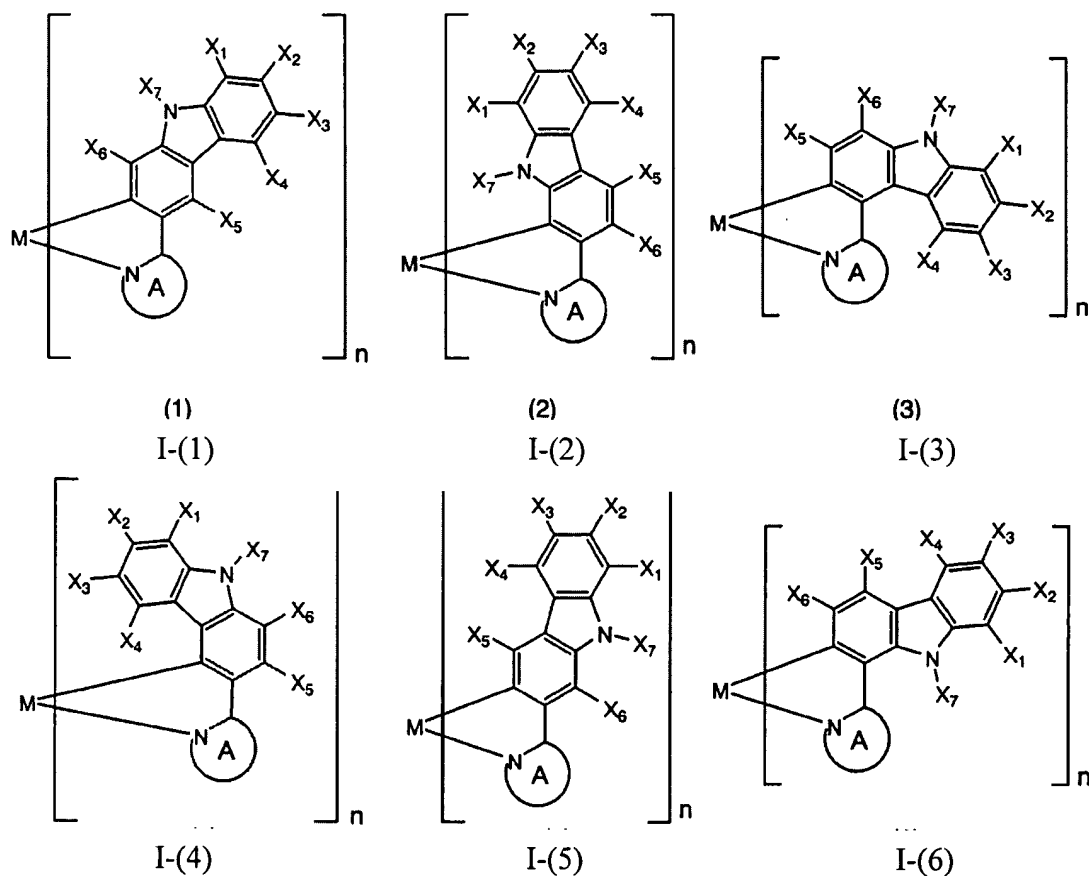


B :  $>\text{NR}$ ,  $>\text{O}$ ,  $>\text{S}$ ,  $>\text{C}=\text{O}$ ,  $>\text{SO}_2$ ,  $>\text{CR}_2$

(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and  $n$  is 2 or 3; when M is Ir, Rh, Ru, or Os and  $n$  is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M;  $\text{X}_1$  to  $\text{X}_6$  and R are independently substituents selected from the group consisting of  $-\text{R}^1$ ,  $-\text{OR}^2$ ,  $-\text{SR}^3$ ,  $-\text{OCOR}^4$ ,  $-\text{COOR}^5$ ,  $-\text{SiR}^6\text{R}^7\text{R}^8$ , and  $-\text{NR}^9\text{R}^{10}$  (here,  $\text{R}^1$  to  $\text{R}^{10}$

represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, a C1 to C22 straight-chain, cyclic, or branched alkyl group or a corresponding halogen-substituted alkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, or a corresponding halogen-substituted aryl group, halogen-substituted heteroaryl group, or halogen-substituted aralkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, and  $R^1$  to  $R^{10}$  may be identical to or different from each other),  $X_1$  to  $X_6$  may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by  $X_1$  to  $X_6$ ).

2. (Original): The metal coordination compound according to Claim 1, wherein it is represented by any one of Formulae I-(1) to I-(6),

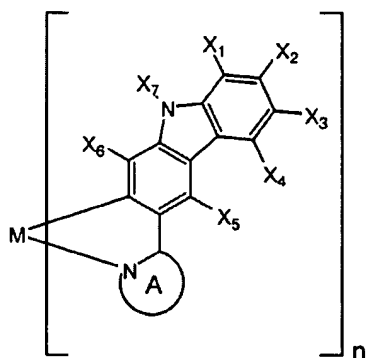


(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and  $\underline{n}$  is 2 or 3; when M is Ir, Rh, Ru, or Os and  $\underline{n}$  is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M;  $X_1$  to  $X_7$  may be any of a hydrogen atom, a halogen atom, a cyano group, a nitro group, a C1 to C22 straight-chain, cyclic, or branched alkyl group or a corresponding halogen-substituted alkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, or a corresponding halogen-substituted aryl group, halogen-substituted heteroaryl group, or halogen-substituted aralkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom,  $X_1$  to  $X_7$  may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by  $X_1$  to  $X_7$ ).

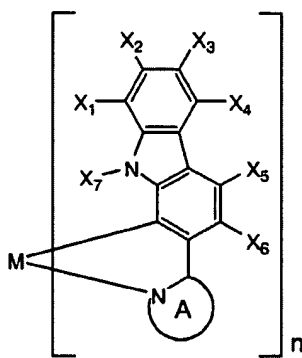
3. (Original): The metal coordination compound according to Claim 2, wherein in Formulae I-(1) to I-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole, benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, or triazine, which may have a substituent that is the same as the groups defined by X<sub>1</sub> to X<sub>7</sub>.

4. (Currently amended): The metal coordination compound according to ~~either~~ Claim 2 or Claim 3, wherein in Formulae I-(1) to I-(6) at least one of X<sub>1</sub> to X<sub>7</sub> and the substituent of ring A defined as being the same as X<sub>1</sub> to X<sub>7</sub> is a fluorine atom or a trifluoromethyl group.

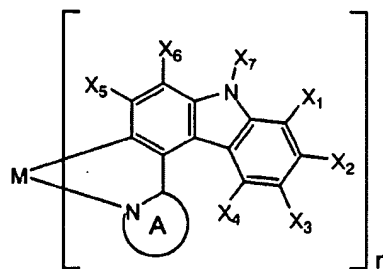
5. (Original): The metal coordination compound according to Claim 1, wherein it is represented by any one of Formulae II-(1) to II-(6),



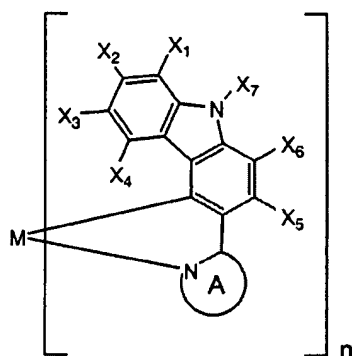
II-(1)



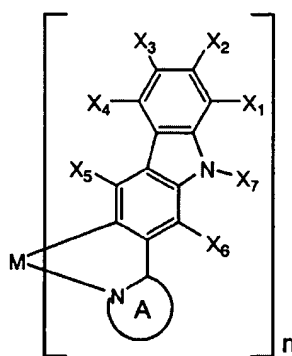
II-(2)



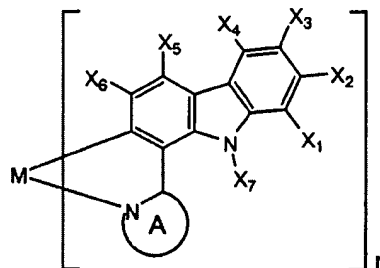
II-(3)



II-(4)



II-(5)



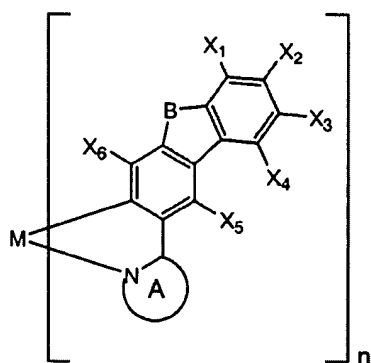
II-(6)

(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and  $\underline{n}$  is 2 or 3; when M is Ir, Rh, Ru, or Os and  $\underline{n}$  is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M;  $X_1$  to  $X_7$  are independently substituents selected from the group consisting of -H, -OH,  $-R^1$ ,  $-OR^2$ ,  $-SR^3$ ,  $-OCOR^4$ ,  $-COOR^5$ ,  $-SiR^6R^7R^8$ ,  $-NH_2$ ,  $-NHR^9$ , and  $-NR^{10}R^{11}$  (here,  $R^1$  to  $R^{11}$  represent a C1 to C22 straight-chain, cyclic, or branched alkyl group, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, and  $R^1$  to  $R^{11}$  may be identical to or different from each other),  $X_1$  to  $X_7$  may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by  $X_1$  to  $X_7$ ).

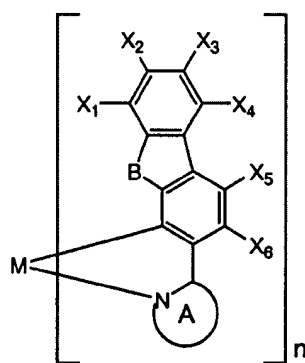
6. (Original): The metal coordination compound according to Claim 5, wherein in Formulae II-(1) to II-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole,

benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, triazine, or isoquinoline, which may have a substituent that is the same as the groups defined by  $X_1$  to  $X_7$ .

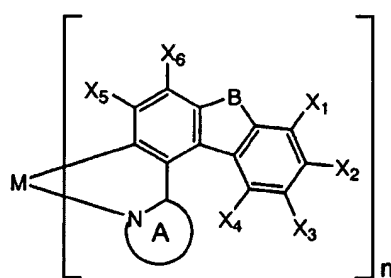
7. (Original): The metal coordination compound according to Claim 1, wherein it is represented by any one of Formulae III-(1) to III-(6),



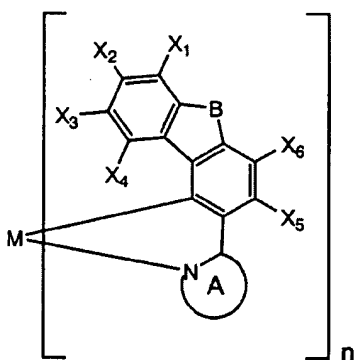
III-(1)



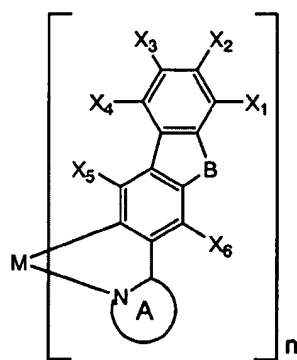
III-(2)



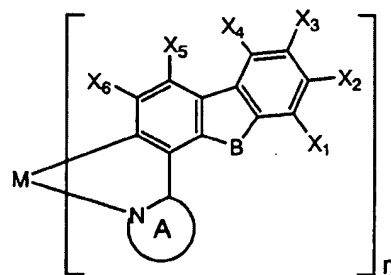
III-(3)



III-(4)



III-(5)



III-(6)

$B : >O, >S, >C=O, >SO_2, >CR_2$

(in the formulae, M is Ir, Rh, Ru, Os, Pd, or Pt, and  $n$  is 2 or 3; when M is Ir, Rh, Ru, or Os and  $n$  is 2, another bidentate ligand further bonds to M; ring A is a cyclic compound containing a nitrogen atom bonded to M;  $X_1$  to  $X_6$  and R are independently substituents selected from the group

consisting of  $-R^1$ ,  $-OR^2$ ,  $-SR^3$ ,  $-OCOR^4$ ,  $-COOR^5$ ,  $-SiR^6R^7R^8$ , and  $-NR^9R^{10}$  (here,  $R^1$  to  $R^{10}$  represent a hydrogen atom, a halogen atom, a cyano group, a nitro group, a C1 to C22 straight-chain, cyclic, or branched alkyl group or a corresponding halogen-substituted alkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, a C6 to C21 aryl group, a C2 to C20 heteroaryl group, or a C7 to C21 aralkyl group, or a corresponding halogen-substituted aryl group, halogen-substituted heteroaryl group, or halogen-substituted aralkyl group in which a part or all of the hydrogen atoms are substituted by a halogen atom, and  $R^1$  to  $R^{10}$  may be identical to or different from each other),  $X_1$  to  $X_6$  may be identical to or different from each other, and ring A may have a substituent that is the same as the groups defined by  $X_1$  to  $X_6$ ).

8. (Original): The metal coordination compound according to Claim 7, wherein in Formulae III-(1) to III-(6) ring A is pyridine, quinoline, benzoxazole, benzothiazole, benzimidazole, benzotriazole, imidazole, pyrazole, oxazole, thiazole, triazole, benzopyrazole, triazine, or isoquinoline, which may have a substituent that is the same as the groups defined by  $X_1$  to  $X_6$ .

9. (Currently amended): The metal coordination compound according to ~~any one of Claims 1 to Claims 8~~ Claim 1, wherein M is Ir.

10. (Currently amended): A polymer composition comprising the metal coordination compound according to ~~any one of Claims 1 to 9~~ Claim 1 and a conjugated and/or non-conjugated polymer.

11. (Currently amended): An organic electroluminescent device fabricated using the metal coordination compound according to ~~any one of Claims 1 to 9 or the polymer composition according to Claim 10~~ Claim 1.

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12. (New): An organic electroluminescent device fabricated the polymer composition according to Claim 10.